
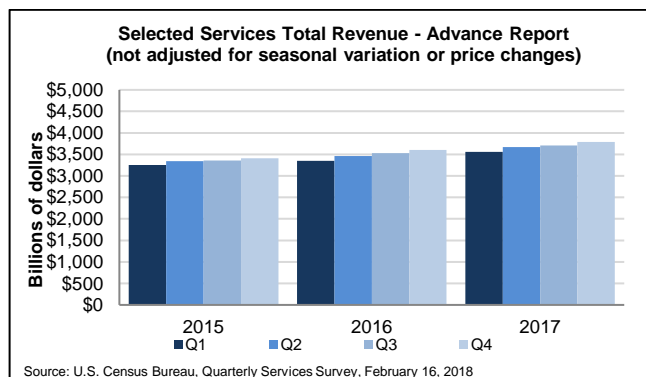


QUARTERLY SELECTED SERVICES ESTIMATES, FOURTH QUARTER 2017 – ADVANCE REPORT

Release Number: CB18-25

February 16, 2018 — The U.S. Census Bureau announced the following selected services estimates for the fourth calendar quarter of 2017:

 SELECTED SERVICES TOTAL REVENUE – ADVANCE REPORT		
4Q 2017	\$3,792.8 billion	+2.4 %
3Q 2017 (revised)	\$3,704.5 billion	+1.0 %
Next release: March 8, 2018		
Source: U.S. Census Bureau, Quarterly Services Survey, February 16, 2018		



Selected Services Total

Advance U.S. selected services total revenue for the fourth quarter of 2017, not adjusted for seasonal variation or price changes, was \$3,792.8 billion, an increase of 2.4 percent (± 0.4 percent) from the third quarter of 2017 and up 5.2 percent (± 3.6 percent) from the fourth quarter of 2016. The second quarter of 2017 to third quarter of 2017 percentage change was revised from the preliminary estimate of 1.1 percent (± 0.2 percent) to 1.0 percent (± 0.2 percent).

Utilities

Advance U.S. utilities revenue for the fourth quarter of 2017, not adjusted for seasonal variation or price changes, was \$147.1 billion, a decrease of 6.3 percent (± 2.7 percent) from the third quarter of 2017 and up 4.5 percent (± 7.6 percent)* from the fourth quarter of 2016. The second quarter of 2017 to third quarter of 2017 percentage change was revised from the preliminary estimate of 14.2 percent (± 3.8 percent) to 13.7 percent (± 3.6 percent).

Transportation and warehousing

Advance U.S. transportation and warehousing revenue for the fourth quarter of 2017, not adjusted for seasonal variation or price changes, was \$229.9 billion, a decrease of 1.0 percent (± 0.9 percent) from the third quarter of 2017 and up 3.2 percent (± 7.0 percent)* from the fourth quarter of 2016. The second quarter of 2017 to third quarter of 2017 percentage change was not revised from the preliminary estimate of 0.3 percent (± 0.9 percent)*.

Information

Advance U.S. information sector revenue for the fourth quarter of 2017, not adjusted for seasonal variation

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or price changes, was \$424.1 billion, an increase of 8.0 percent (± 0.8 percent) from the third quarter of 2017 and up 6.6 percent (± 3.4 percent) from the fourth quarter of 2016. The second quarter of 2017 to third quarter of 2017 percentage change was revised from the preliminary estimate of 1.1 percent (± 0.6 percent) to 1.1 percent (± 0.4 percent).

Finance and insurance

Advance U.S. finance and insurance revenue for the fourth quarter of 2017, not adjusted for seasonal variation or price changes, was \$1,165.0 billion, an increase of 1.9 percent (± 0.8 percent) from the third quarter of 2017 and up 6.4 percent (± 10.2 percent)* from the fourth quarter of 2016. The second quarter of 2017 to third quarter of 2017 percentage change was revised from the preliminary estimate of 1.1 percent (± 0.4 percent) to 0.8 percent (± 0.4 percent).

Real estate and rental and leasing

Advance U.S. real estate and rental and leasing revenue for the fourth quarter of 2017, not adjusted for seasonal variation or price changes, was \$174.7 billion, an increase of 1.5 percent (± 1.1 percent) from the third quarter of 2017 and up 6.8 percent (± 10.4 percent)* from the fourth quarter of 2016. The second quarter of 2017 to third quarter of 2017 percentage change was revised from the preliminary estimate of 1.3 percent (± 1.1 percent) to 0.9 percent (± 1.3 percent)*.

Professional, scientific, and technical services

Advance U.S. professional, scientific, and technical services revenue for the fourth quarter of 2017, not adjusted for seasonal variation or price changes, was \$453.3 billion, an increase of 4.2 percent (± 1.1 percent) from the third quarter of 2017 and up 1.6 percent (± 6.3 percent)* from the fourth quarter of 2016. The second quarter of 2017 to third quarter of 2017 percentage change was revised from the preliminary estimate of -1.7 percent (± 1.1 percent) to -1.8 percent (± 1.1 percent).

Administrative and support and waste management and remediation services

The second quarter of 2017 to third quarter of 2017 percentage change was revised from the preliminary estimate of 1.6 percent (± 1.1 percent) to 1.9 percent (± 0.9 percent).

Educational services

Advance U.S. educational services revenue for the fourth quarter of 2017, not adjusted for seasonal variation or price changes, was \$16.9 billion, a decrease of 0.5 percent (± 3.6 percent)* from the third quarter of 2017 and up 7.7 percent (± 11.2 percent)* from the fourth quarter of 2016. The second quarter of 2017 to third quarter of 2017 percentage change was revised from the preliminary estimate of -1.9 percent (± 3.8 percent)* to -3.4 percent (± 4.0 percent)*.

Health care and social assistance

Advance U.S. health care and social assistance revenue for the fourth quarter of 2017, not adjusted for seasonal variation or price changes, was \$649.6 billion, an increase of 3.2 percent (± 0.6 percent) from the

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third quarter of 2017 and up 3.7 percent (± 2.7 percent) from the fourth quarter of 2016. The second quarter of 2017 to third quarter of 2017 percentage change was revised from the preliminary estimate of -0.3 percent (± 0.4 percent)* to -0.2 percent (± 0.6 percent)*.

Arts, entertainment, and recreation

Advance U.S. arts, entertainment, and recreation revenue for the fourth quarter of 2017, not adjusted for seasonal variation or price changes, was \$69.8 billion, a decrease of 4.1 percent (± 2.8 percent) from the third quarter of 2017 and up 4.4 percent (± 7.6 percent)* from the fourth quarter of 2016. The second quarter of 2017 to third quarter of 2017 percentage change was revised from the preliminary estimate of 7.8 percent (± 1.7 percent) to 7.6 percent (± 2.1 percent).

Accommodation

Advance U.S. accommodation revenue for the fourth quarter of 2017, not adjusted for seasonal variation or price changes, was \$59.0 billion, a decrease of 12.9 percent (± 0.8 percent) from the third quarter of 2017 and down 0.5 percent (± 7.8 percent)* from the fourth quarter of 2016. The second quarter of 2017 to third quarter of 2017 percentage change was revised from the preliminary estimate of 0.4 percent (± 1.1 percent)* to 0.3 percent (± 1.3 percent)*.

Other services (except public administration)

Advance U.S. other services (except public administration) revenue for the fourth quarter of 2017, not adjusted for seasonal variation or price changes, was \$159.0 billion, an increase of 11.6 percent (± 4.2 percent) from the third quarter of 2017 and up 10.4 percent (± 10.4 percent)* from the fourth quarter of 2016. The second quarter of 2017 to third quarter of 2017 percentage change was not revised from the preliminary estimate of 1.0 percent (± 4.7 percent)*.

Notes

The Advance Quarterly Services Report contains current quarter not seasonally adjusted estimates of revenue for a subset of industries found in the Full Quarterly Services Report. In addition, prior quarter not seasonally adjusted estimates for all items and industry levels have been revised and are available here www.census.gov/econ/currentdata/. Seasonally adjusted quarterly services estimates have not been revised with this release. For more information on the Advance Quarterly Services Report, please visit www.census.gov/services/qss/advance_services_faqs/.

Benchmarking

Effective with this release, quarterly services estimates have been revised based on the results of the 2016 Service Annual Survey.

Release Schedule

The fourth quarter 2017 Quarterly Services Report is scheduled for release on March 8, 2018. View the full schedule in the Economic Briefing Room: www.census.gov/economic-indicators/.

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Additional industry detail and estimates of revenue, expenses, inpatient days, and discharges can be found at [<www.census.gov/services/>](http://www.census.gov/services/).

API

The Census Bureau's application programming interface lets developers create custom apps to reach new users and makes key demographic, socio-economic and housing statistics more accessible than ever before.

[<www.census.gov/developers/>](http://www.census.gov/developers/)

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*The 90 percent confidence interval includes zero. There is insufficient evidence to conclude that the actual change is different from zero.

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Table A1. Selected Services - Advance Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey.

For additional information see www.census.gov/services]

2012 NAICS code ¹	Kind of business	Total revenue (millions of dollars)				Percent change		
		4Q 2017 (a)	3Q 2017 (r)	4Q 2016 (r)	3Q 2016 (r)	4Q 2017 from 3Q 2017 (a)	4Q 2016 from 3Q 2016 (r)	4Q 2017 from 4Q 2016 (a)
	Selected Services Total ²	3,792,849	3,704,477	3,606,206	3,525,119	2.4	2.3	5.2
22	Utilities ³	147,149	156,994	140,851	155,185	-6.3	-9.2	4.5
48-49	Transportation and warehousing ⁴	229,892	232,174	222,706	225,103	-1.0	-1.1	3.2
481	Air transportation	49,349	52,351	48,559	52,611	-5.7	-7.7	1.6
483	Water transportation	11,548	12,968	10,490	12,137	-11.0	-13.6	10.1
484	Truck transportation	67,248	69,168	64,687	67,033	-2.8	-3.5	4.0
485	Transit and ground passenger transportation	S	8,522	9,549	8,019	S	19.1	S
488	Support activities for transportation	45,822	45,439	45,906	44,345	0.8	3.5	-0.2
492	Couriers and messengers	23,556	21,334	22,508	20,367	10.4	10.5	4.7
493	Warehousing and storage	9,749	9,331	8,596	8,380	4.5	2.6	13.4
51	Information	424,132	392,767	398,000	370,300	8.0	7.5	6.6
511	Publishing industries (except Internet)	88,804	81,595	83,812	74,795	8.8	12.1	6.0
5112	Software publishers	64,776	57,722	59,929	50,248	12.2	19.3	8.1
512	Motion picture and sound recording industries	28,046	25,492	27,457	24,855	10.0	10.5	2.1
517	Telecommunications	165,474	159,801	162,849	158,360	3.6	2.8	1.6
5171	Wired telecommunications carriers	83,493	82,619	82,976	81,388	1.1	2.0	0.6
5172	Wireless telecommunications carriers (except satellite)	69,820	65,398	68,690	65,961	6.8	4.1	1.6
518	Data processing, hosting, and related services	44,145	40,977	37,752	35,986	7.7	4.9	16.9
519	Other information services	53,036	45,987	43,289	37,604	15.3	15.1	22.5
52	Finance and insurance ⁵	1,165,026	1,143,556	1,095,295	1,080,755	1.9	1.3	6.4
522	Credit intermediation and related activities	317,834	313,348	296,296	298,188	1.4	-0.6	7.3
524	Insurance carriers and related activities	646,749	637,311	617,337	601,827	1.5	2.6	4.8
53	Real estate and rental and leasing	174,677	172,036	163,508	162,511	1.5	0.6	6.8
531	Real estate	121,007	119,396	113,372	112,940	1.3	0.4	6.7
532	Rental and leasing services	41,464	42,029	38,886	40,026	-1.3	-2.8	6.6
54	Professional, scientific, and technical services ⁶	453,326	435,083	446,178	430,478	4.2	3.6	1.6
5411	Legal services	83,681	71,323	82,632	70,878	17.3	16.6	1.3
5412	Accounting, tax preparation, bookkeeping, and payroll services	38,725	38,023	37,051	37,844	1.8	-2.1	4.5
5413	Architectural, engineering, and related services	75,202	77,260	77,270	76,590	-2.7	0.9	-2.7
5415	Computer systems design and related services	96,609	95,877	93,813	93,677	0.8	0.1	3.0
5416	Management, scientific, and technical consulting services	68,946	67,154	65,449	64,371	2.7	1.7	5.3
5418	Advertising, public relations, and related services	28,102	26,111	27,017	26,125	7.6	3.4	4.0
56	Administrative and support and waste management and remediation services	S	242,443	227,239	223,518	S	1.7	S
561	Administrative and support services	S	217,835	203,751	199,724	S	2.0	S
562	Waste management and remediation services	23,636	24,608	23,488	23,794	-3.9	-1.3	0.6
61	Educational services ⁷	16,928	17,010	15,725	15,796	-0.5	-0.4	7.7
62	Health care and social assistance	649,568	629,339	626,547	600,996	3.2	4.3	3.7
	Health care and social assistance - taxable	322,035	312,347	307,206	297,998	3.1	3.1	4.8
	Health care and social assistance - tax-exempt	327,533	316,992	319,341	302,998	3.3	5.4	2.6
621	Ambulatory health care services	260,223	252,369	247,601	238,955	3.1	3.6	5.1
	Ambulatory health care services - taxable	234,921	228,070	223,861	215,910	3.0	3.7	4.9
	Ambulatory health care services - tax-exempt	25,302	24,299	23,740	23,045	4.1	3.0	6.6
6211	Offices of physicians	128,406	124,070	122,967	116,920	3.5	5.2	4.4
6214	Outpatient care centers	35,373	33,505	33,610	32,342	5.6	3.9	5.2
6215	Medical and diagnostic laboratories	13,090	12,549	12,418	12,067	4.3	2.9	5.4
6219	Other ambulatory health care services	9,435	9,535	8,766	8,591	-1.0	2.0	7.6
622	Hospitals	279,326	272,268	272,226	261,073	2.6	4.3	2.6
	Hospitals - taxable	32,638	31,585	31,730	31,308	3.3	1.3	2.9
	Hospitals - tax-exempt	246,688	240,683	240,496	229,765	2.5	4.7	2.6
623	Nursing and residential care facilities	61,484	60,356	59,831	58,446	1.9	2.4	2.8
	Nursing and residential care facilities - taxable	39,997	39,221	38,397	37,825	2.0	1.5	4.2
	Nursing and residential care facilities - tax-exempt	21,487	21,135	21,434	20,621	1.7	3.9	0.2
624	Social assistance	48,535	44,346	46,889	42,522	9.4	10.3	3.5
71	Arts, entertainment, and recreation	69,773	72,783	66,826	66,090	-4.1	1.1	4.4
711	Performing arts, spectator sports, and related industries	32,835	32,784	32,321	29,763	0.2	8.6	1.6
712	Museums, historical sites, and similar institutions	4,275	3,954	4,202	3,879	8.1	8.3	1.7
713	Amusement, gambling, and recreation industries	32,663	36,045	30,303	32,448	-9.4	-6.6	7.8
721	Accommodation	58,977	67,744	59,277	65,849	-12.9	-10.0	-0.5
81	Other services (except public administration) ⁸	159,023	142,548	144,054	128,538	11.6	12.1	10.4
811	Repair and maintenance	44,893	43,719	41,900	42,727	2.7	-1.9	7.1
812	Personal and laundry services	28,319	27,153	27,207	26,567	4.3	2.4	4.1

Table A1. Selected Services - Advance Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey.

For additional information see www.census.gov/services]

2012 NAICS code ¹	Kind of business	Total revenue (millions of dollars)				Percent change		
		4Q 2017 (a)	3Q 2017 (r)	4Q 2016 (r)	3Q 2016 (r)	4Q 2017 from 3Q 2017 (a)	4Q 2016 from 3Q 2016 (r)	4Q 2017 from 4Q 2016 (a)

(a) Advance estimate. (r) Revised estimate.

S Estimate does not meet standards because of high variability (coefficient of variation greater than 30%), poor response quality (total quantity response rate is less than 50%) or other concerns about the estimate's quality. Unpublished estimates derived from this table by subtraction are subject to these same limitations and should not be attributed to the U.S. Census Bureau. For a description of publication standards and the total quantity response rate, see www.census.gov/quality/guidelines/index.html.

(1) For a full description of the NAICS (North American Industry Classification System) codes used in this table, see the 2012 NAICS manual or www.census.gov/eos/www/naics/.

(2) Includes NAICS 22 (Utilities), NAICS 48-49 (Transportation and warehousing), NAICS 51 (Information), NAICS 52 (Finance and insurance), NAICS 53 (Real estate and rental and leasing), NAICS 54 (Selected professional, scientific, and technical services), NAICS 56 (Administrative and support and waste management and remediation services), NAICS 61 (Educational services), NAICS 62 (Health care and social assistance), NAICS 71 (Arts, entertainment, and recreation), NAICS 721 (Accommodation), and NAICS 81 (Other services (except public administration)). Exclusions listed in footnotes 3, 4, 5, 6, 7, and 8 also apply to the Selected Services Total.

(3) Excludes government owned utilities.

(4) Excludes NAICS 482 (Rail transportation) and 491 (Postal service).

(5) Excludes NAICS 525 (Funds, trusts, and other financial vehicles).

(6) Excludes NAICS 54112 (Offices of notaries).

(7) Excludes NAICS 6111 (Elementary and secondary schools), 6112 (Junior colleges), and 6113 (Colleges, universities, and professional schools).

(8) Excludes NAICS 8131 (Religious organizations), 81393 (Labor unions and similar labor organizations), 81394 (Political organizations), and 814 (Private households).

Note: Estimates cover taxable and tax-exempt firms unless otherwise specified. Additionally, estimates for some sectors and subsectors may include data for kinds of business not shown. Table A2 provides estimated measures of sampling variability. Data users who create their own estimates using data from this report should cite the U.S. Census Bureau as the source of the original data only. Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at www.census.gov/services/qss/cv.html. For NAICS 52, estimates may include unrealized gains (losses).

Table A2. Selected Services - Advance Estimated Measures of Sampling Variability

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey.

For additional information see www.census.gov/services]

2012 NAICS code	Kind of business	Coefficient of variation for total revenue				Standard error for percent change		
		4Q 2017 (a)	3Q 2017 (r)	4Q 2016 (r)	3Q 2016 (r)	4Q 2017 from 3Q 2017 (a)	4Q 2016 from 3Q 2016 (r)	4Q 2017 from 4Q 2016 (a)
	Selected Services Total	0.8	0.8	1.4	1.4	0.2	0.2	1.9
22	Utilities	2.3	3.1	4.2	4.5	1.4	0.8	4.0
48-49	Transportation and warehousing	1.6	1.9	2.6	2.7	0.5	0.5	3.7
481	Air transportation	1.7	1.5	3.8	4.4	1.6	0.8	4.0
483	Water transportation	7.5	7.9	3.2	3.1	0.4	0.8	12.2
484	Truck transportation	4.2	5.3	7.6	7.9	1.3	0.5	9.6
485	Transit and ground passenger transportation	S	3.4	6.2	5.5	S	3.0	S
488	Support activities for transportation	3.4	3.3	6.5	5.9	0.9	1.3	9.3
492	Couriers and messengers	3.6	4.8	1.6	1.6	1.3	0.3	5.6
493	Warehousing and storage	5.8	5.6	6.8	6.0	1.9	1.5	10.3
51	Information	1.6	1.6	1.3	1.4	0.4	0.2	1.8
511	Publishing industries (except Internet)	3.0	2.3	5.3	4.6	1.2	1.1	5.5
5112	Software publishers	3.7	2.8	6.9	6.0	1.4	1.2	7.2
512	Motion picture and sound recording industries	1.0	1.1	4.0	3.2	1.3	1.6	3.2
517	Telecommunications	1.4	1.6	1.7	1.7	0.8	0.2	1.4
5171	Wired telecommunications carriers	2.1	1.9	3.2	3.4	0.3	0.3	2.8
5172	Wireless telecommunications carriers (except satellite)	1.9	1.8	2.6	2.6	1.6	0.2	3.6
518	Data processing, hosting, and related services	3.3	3.1	3.4	3.5	1.0	0.8	6.9
519	Other information services	5.2	5.7	3.6	3.1	1.0	0.9	7.9
52	Finance and insurance	1.7	1.9	5.3	4.8	0.4	0.4	5.4
522	Credit intermediation and related activities	2.0	1.9	4.5	4.4	0.3	0.6	5.5
524	Insurance carriers and related activities	2.1	2.2	8.0	7.1	0.5	0.8	7.6
53	Real estate and rental and leasing	1.6	1.7	4.8	5.4	0.6	0.9	5.5
531	Real estate	2.6	2.9	6.5	7.4	0.8	1.2	7.3
532	Rental and leasing services	2.8	3.0	4.6	3.9	0.4	1.2	6.1
54	Professional, scientific, and technical services	2.0	1.8	2.1	2.2	0.6	0.5	3.3
5411	Legal services	4.0	2.7	3.7	2.7	3.2	1.9	4.8
5412	Accounting, tax preparation, bookkeeping, and payroll services	3.1	2.3	4.4	4.8	1.8	1.3	4.4
5413	Architectural, engineering, and related services	4.0	3.6	5.5	5.1	1.8	1.1	10.8
5415	Computer systems design and related services	2.0	2.4	5.9	7.1	1.5	1.9	5.6
5416	Management, scientific, and technical consulting services	4.3	3.4	5.4	5.4	1.6	0.9	7.1
5418	Advertising, public relations, and related services	1.5	1.6	3.4	3.1	0.7	0.6	4.1
56	Administrative and support and waste management and remediation services	S	2.5	1.3	1.4	S	0.6	S
561	Administrative and support services	S	2.7	1.9	1.9	S	0.7	S
562	Waste management and remediation services	2.4	3.4	4.0	3.7	1.3	1.0	5.1
61	Educational services	3.1	3.0	5.2	4.8	1.9	1.6	5.9
62	Health care and social assistance	1.5	1.3	1.9	1.9	0.3	0.6	1.4
	Health care and social assistance - taxable	1.7	1.7	2.5	2.6	0.3	0.3	2.7
	Health care and social assistance - tax-exempt	2.0	1.8	2.9	2.5	0.5	1.1	1.9
621	Ambulatory health care services	1.5	1.3	2.0	2.1	0.4	0.3	2.3
	Ambulatory health care services - taxable	1.6	1.4	2.4	2.4	0.4	0.5	2.8
	Ambulatory health care services - tax-exempt	5.1	4.5	4.5	3.6	0.7	1.3	8.2
6211	Offices of physicians	2.8	2.4	5.4	5.8	0.6	0.9	5.8
6214	Outpatient care centers	3.2	2.9	4.2	3.3	0.5	1.1	5.9
6215	Medical and diagnostic laboratories	3.4	3.2	4.1	3.9	0.9	1.2	7.1
6219	Other ambulatory health care services	3.6	3.5	5.7	6.1	0.8	1.2	6.1
622	Hospitals	2.7	2.5	3.7	3.4	0.5	1.3	2.3
	Hospitals - taxable	9.3	9.9	10.6	10.8	0.6	0.2	14.0
	Hospitals - tax-exempt	2.4	2.2	4.0	3.4	0.6	1.5	2.7
623	Nursing and residential care facilities	1.7	2.0	4.6	4.9	0.8	1.2	4.6
	Nursing and residential care facilities - taxable	1.6	1.5	6.3	6.6	0.9	1.7	6.6
	Nursing and residential care facilities - tax-exempt	3.6	4.1	2.6	2.6	0.9	0.5	2.8
624	Social assistance	2.3	2.6	3.0	1.9	0.9	1.6	4.2
71	Arts, entertainment, and recreation	2.5	2.3	3.6	3.5	1.5	1.6	4.0
711	Performing arts, spectator sports, and related industries	2.4	1.3	3.8	3.9	2.6	2.5	5.6
712	Museums, historical sites, and similar institutions	8.2	9.0	5.4	5.0	2.7	3.9	9.9
713	Amusement, gambling, and recreation industries	4.8	4.3	5.3	5.3	1.2	1.8	7.2
721	Accommodation	1.3	1.4	3.5	3.5	0.4	0.5	4.1
81	Other services (except public administration)	2.8	1.8	2.4	2.0	2.2	0.8	5.5
811	Repair and maintenance	4.7	4.8	4.4	3.9	1.0	1.3	8.6
812	Personal and laundry services	2.4	2.9	4.1	4.3	1.0	1.1	3.3

Table A2. Selected Services - Advance Estimated Measures of Sampling Variability

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey.

For additional information see www.census.gov/services]

2012 NAICS code	Kind of business	Coefficient of variation for total revenue				Standard error for percent change		
		4Q 2017 (a)	3Q 2017 (r)	4Q 2016 (r)	3Q 2016 (r)	4Q 2017 from 3Q 2017 (a)	4Q 2016 from 3Q 2016 (r)	4Q 2017 from 4Q 2016 (a)

(a) Advance estimate. (r) Revised estimate.

S Corresponding estimate in Table A1 does not meet publication standards because of high sampling variability, poor response quality or other concerns about the estimate's quality.

Note: Estimated measures of sampling variability are based on data not adjusted for seasonal variation, and should be used when drawing inferences about both adjusted and not adjusted estimates. Standard errors for percent changes that include estimates prior to Q1 2017 may be larger than those previously published because the estimated totals used to produce the percent changes are derived from different samples. Additional information on confidentiality protection, sampling error, nonsampling errors, sample design, and definitions may be found at www.census.gov/services/qss/cv/html.

Table A4. Selected Services - Advance Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey. For additional information see www.census.gov/services]

2012 NAICS code ¹	Kind of business	Total revenue (millions of dollars)						Percent change				Year to date		
		4Q 2017 (a)	3Q 2017 (r)	2Q 2017 (r)	1Q 2017 (r)	2016 (r)	3Q 2016 (r)	4Q 2017 from 3Q 2017 (a)	3Q 2017 from 2Q 2017 (r)	4Q 2017 from 4Q 2016 (a)	3Q 2017 from 3Q 2016 (r)	2017 (a)	2016 (r)	2017 from 2016 (a)
	Selected Services Total ²	3,792,849	3,704,477	3,667,361	3,561,457	3,606,206	3,525,119	2.4	1.0	5.2	5.1	14,726,144	13,947,104	5.6
22	Utilities ³	147,149	156,994	138,066	149,842	140,851	155,185	-6.3	13.7	4.5	1.2	592,051	570,054	3.9
2211	Electric power generation, transmission and distribution	X	134,196	113,059	110,521	110,237	134,302	X	18.7	X	-0.1	X	462,086	X
2212	Natural gas distribution	X	18,472	21,352	36,018	27,037	17,047	X	-13.5	X	8.4	X	94,007	X
2213	Water, sewage and other systems	X	4,326	3,655	3,303	3,577	3,836	X	18.4	X	12.8	X	13,961	X
48-49	Transportation and warehousing ⁴	229,892	232,174	231,425	214,154	222,706	225,103	-1.0	0.3	3.2	3.1	907,645	875,642	3.7
481	Air transportation	49,349	52,351	52,592	45,822	48,559	52,611	-5.7	-0.5	1.6	-0.5	200,114	198,973	0.6
483	Water transportation	11,548	12,968	10,664	10,006	10,490	12,137	-11.0	21.6	10.1	6.8	45,186	42,819	5.5
4831	Deep sea, coastal, and Great Lakes water transportation	X	11,012	8,831	8,102	8,433	10,098	X	24.7	X	9.1	X	34,789	X
4832	Inland water transportation	X	1,956	1,833	1,904	2,057	2,039	X	6.7	X	-4.1	X	8,030	X
484	Truck transportation	67,248	69,168	68,512	62,497	64,687	67,033	-2.8	1.0	4.0	3.2	267,425	258,501	3.5
4841	General freight trucking	X	44,067	43,470	40,501	42,102	42,884	X	1.4	X	2.8	X	167,986	X
48412	General freight trucking, long-distance	X	37,112	36,142	33,879	35,631	36,223	X	2.7	X	2.5	X	141,683	X
4842	Specialized freight trucking	X	25,101	25,042	21,996	22,585	24,149	X	0.2	X	3.9	X	90,515	X
485	Transit and ground passenger transportation	S	8,522	9,826	9,286	9,549	8,019	S	-13.3	S	6.3	S	35,476	S
486	Pipeline transportation	X	11,319	11,098	11,620	11,683	10,967	X	2.0	X	3.2	X	44,459	X
487	Scenic and sightseeing transportation	X	1,742	1,077	544	728	1,244	X	61.7	X	40.0	X	3,571	X
488	Support activities for transportation	45,822	45,439	47,036	44,660	45,906	44,345	0.8	-3.4	-0.2	2.5	182,957	175,822	4.1
492	Couriers and messengers	23,556	21,334	21,410	20,939	22,508	20,367	10.4	-0.4	4.7	4.7	87,239	82,994	5.1
493	Warehousing and storage	9,749	9,331	9,210	8,780	8,596	8,380	4.5	1.3	13.4	11.3	37,070	33,027	12.2
51	Information	424,132	392,767	388,358	380,588	398,000	370,300	8.0	1.1	6.6	6.1	1,585,845	1,497,831	5.9
511	Publishing industries (except Internet)	88,804	81,595	80,539	76,561	83,812	74,795	8.8	1.3	6.0	9.1	327,499	307,400	6.5
51111	Newspaper publishers	X	5,819	6,016	5,847	6,664	6,245	X	-3.3	X	-6.8	X	25,392	X
51112	Periodical publishers	X	6,893	7,036	6,523	7,444	7,033	X	-2.0	X	-2.0	X	28,237	X
5111 pt	Book, directory and mailing list, and other publishers ⁵	X	11,161	9,963	8,547	9,775	11,269	X	12.0	X	-1.0	X	40,111	X
5112	Software publishers	64,776	57,722	57,524	55,644	59,929	50,248	12.2	0.3	8.1	14.9	235,666	213,660	10.3
512	Motion picture and sound recording industries	28,046	25,492	25,726	27,167	27,457	24,855	10.0	-0.9	2.1	2.6	106,431	103,765	2.6
515	Broadcasting (except Internet)	X	38,915	39,868	39,409	42,841	38,700	X	-2.4	X	0.6	X	157,480	X
5151	Radio and television broadcasting	X	18,021	18,807	18,577	21,480	18,696	X	-4.2	X	-3.6	X	75,717	X
5152	Cable and other subscription programming	X	20,894	21,061	20,832	21,361	20,004	X	-0.8	X	4.4	X	81,763	X
517	Telecommunications	165,474	159,801	158,897	157,136	162,849	158,360	3.6	0.6	1.6	0.9	641,308	632,124	1.5
5171	Wired telecommunications carriers	83,493	82,619	82,639	81,964	82,976	81,388	1.1	Z	0.6	1.5	330,715	325,580	1.6
5172	Wireless telecommunications carriers (except satellite)	69,820	65,398	64,955	64,102	68,690	65,961	6.8	0.7	1.6	-0.9	264,275	262,749	0.6
517 pt	Other telecommunications ⁶	X	11,784	11,303	11,070	11,183	11,011	X	4.3	X	7.0	X	43,795	X
518	Data processing, hosting, and related services	44,145	40,977	39,029	37,309	37,752	35,986	7.7	5.0	16.9	13.9	161,460	143,319	12.7
519	Other information services	53,036	45,987	44,299	43,006	43,289	37,604	15.3	3.8	22.5	22.3	186,328	153,743	21.2
52	Finance and insurance ⁷	1,165,026	1,143,556	1,134,023	1,108,194	1,095,295	1,080,755	1.9	0.8	6.4	5.8	4,550,799	4,268,984	6.6
52 pt	Finance and insurance (except monetary authorities-central bank) ⁸	X	1,115,132	1,104,004	1,079,037	1,070,247	1,052,728	X	1.0	X	5.9	X	4,156,777	X
521	Monetary authorities-central bank	X	28,424	30,019	29,157	25,048	28,027	X	-5.3	X	1.4	X	112,207	X
522	Credit intermediation and related activities	317,834	313,348	306,019	295,779	296,296	298,188	1.4	2.4	7.3	5.1	1,232,980	1,165,830	5.8
5221	Depository credit intermediation	X	143,354	139,864	133,415	133,995	132,943	X	2.5	X	7.8	X	519,930	X
5222	Nondepository credit intermediation	X	144,518	140,740	138,014	137,792	140,459	X	2.7	X	2.9	X	551,321	X
5223	Activities related to credit intermediation	X	25,476	25,415	24,350	24,509	24,786	X	0.2	X	2.8	X	94,579	X
523	Securities, commodity contracts, and other financial investments and related activities	X	164,473	163,086	163,799	156,614	152,713	X	0.9	X	7.7	X	600,064	X
5231	Securities and commodity contracts intermediation and brokerage	X	72,321	72,866	74,330	68,436	68,512	X	-0.7	X	5.6	X	266,909	X
5232	Securities and commodity exchanges	X	2,997	3,127	3,116	2,906	2,683	X	-4.2	X	11.7	X	11,408	X
5239	Other financial investment activities	X	89,155	87,093	86,353	85,272	81,518	X	2.4	X	9.4	X	321,747	X
524	Insurance carriers and related activities	646,749	637,311	634,899	619,459	617,337	601,827	1.5	0.4	4.8	5.9	2,538,418	2,390,883	6.2
5241	Insurance carriers	X	546,717	545,809	531,335	530,571	516,614	X	0.2	X	5.8	X	2,055,088	X
5242	Agencies, brokerages, and other insurance related activities	X	90,594	89,090	88,124	86,766	85,213	X	1.7	X	6.3	X	335,795	X
53	Real estate and rental and leasing	174,677	172,036	170,428	156,908	163,508	162,511	1.5	0.9	6.8	5.9	674,049	632,565	6.6
531	Real estate	121,007	119,396	118,963	109,704	113,372	112,940	1.3	0.4	6.7	5.7	469,070	437,916	7.1
5311	Lessors of real estate	X	66,905	65,915	64,365	64,653	63,111	X	1.5	X	6.0	X	250,651	X
5312	Offices of real estate agents and brokers	X	29,256	30,046	23,316	26,175	27,889	X	-2.6	X	4.9	X	102,271	X
5313	Activities related to real estate	X	23,235	23,002	22,023	22,544	21,940	X	1.0	X	5.9	X	84,994	X
532	Rental and leasing services	41,464	42,029	40,920	37,679	38,886	40,026	-1.3	2.7	6.6	5.0	162,092	154,221	5.1
5321	Automotive equipment rental and leasing	X	15,755	14,598	13,363	14,240	15,513	X	7.9	X	1.6	X	57,144	X
53211	Passenger car rental and leasing	X	10,616	9,641	8,988	9,551	10,613	X	10.1	X	Z	X	38,530	X
53212	Truck, utility trailer, and RV (Recreational Vehicle) rental and leasing	X	5,139	4,957	4,375	4,689	4,900	X	3.7	X	4.9	X	18,614	X
5322	Consumer goods rental	X	5,623	5,828	5,656	5,503	5,405	X	-3.5	X	4.0	X	22,554	X
5323	General rental centers	X	S	S	S	S	S	X	S	X	S	X	S	X
5324	Commercial and industrial machinery and equipment rental and leasing	X	19,791	19,687	18,077	18,480	18,305	X	0.5	X	8.1	X	71,790	X
533	Lessors of nonfinancial intangible assets (except copyrighted works)	X	10,611	10,545	9,525	11,250	9,545	X	0.6	X	11.2	X	40,428	X
54	Professional, scientific, and technical services ⁹	453,326	435,083	442,940	430,853	446,178	430,478	4.2	-1.8	1.6	1.1	1,762,202	1,726,542	2.1
5411	Legal services ⁹	83,681	71,323	71,889	65,213	82,632	70,878	17.3	-0.8	1.3	0.6	292,106	287,614	1.6
5412	Accounting, tax preparation, bookkeeping, and payroll services	38,725	38,023	47,347	51,625	37,051	37,844	1.8	-19.7	4.5	0.5	175,720	167,567	4.9
5413	Architectural, engineering, and related services	75,202	77,260	75,448	73,986	77,270	76,590	-2.7	2.4	-2.7	0.9	301,896	301,267	0.2
5413 pt	Architectural and related services ¹⁰	X	17,031	17,573	17,121	18,136	17,944	X	-3.1	X	-5.1	X	70,386	X
54133	Engineering services	X	60,229	57,875	56,865	59,134	58,646	X	4.1	X	2.7	X	230,881	X
5414	Specialized design services	X	5,895	6,202	5,861	6,142	5,818	X	-5.0	X	1.3	X	23,483	X
5415	Computer systems design and related services	96,609	95,877	96,681	93,045	93,813	93,677	0.8	-0.8	3.0	2.3	382,212	368,743	3.7

Table A4. Selected Services - Advance Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey. For additional information see www.census.gov/services]

2012 NAICS code ¹	Kind of business	Total revenue (millions of dollars)						Percent change				Year to date		
		4Q 2017 (a)	3Q 2017 (r)	2Q 2017 (r)	1Q 2017 (r)	4Q 2016 (r)	3Q 2016 (r)	4Q 2017 from 3Q 2017 (a)	3Q 2017 from 2Q 2017 (r)	4Q 2017 from 4Q 2016 (a)	3Q 2017 from 3Q 2016 (r)	2017 (a)	2016 (r)	2017 from 2016 (a)
5416	Management, scientific, and technical consulting services	68,946	67,154	64,782	63,475	65,449	64,371	2.7	3.7	5.3	4.3	264,357	254,451	3.9
5417	Scientific research and development services	X	33,376	33,159	32,408	36,098	34,558	X	0.7	X	-3.4	X	138,681	X
5418	Advertising, public relations, and related services	28,102	26,111	26,654	25,815	27,017	26,125	7.6	-2.0	4.0	-0.1	106,682	103,737	2.8
5419	Other professional, scientific, and technical services	X	20,064	20,778	19,425	20,706	20,617	X	-3.4	X	-2.7	X	80,999	X
56	Administrative and support and waste management and remediation services	S	242,443	237,833	227,159	227,239	223,518	S	1.9	S	8.5	S	872,729	S
561	Administrative and support services	S	217,835	213,519	204,693	203,751	199,724	S	2.0	S	9.1	S	780,547	S
5613	Employment services	X	97,055	93,441	95,318	93,628	86,170	X	3.9	X	12.6	X	345,182	X
5615	Travel arrangement and reservation services	X	12,055	11,361	10,704	10,619	11,462	X	6.1	X	5.2	X	43,042	X
561 pt	Other administrative and support services ¹¹	X	108,725	108,717	98,671	99,504	102,092	X	Z	X	6.5	X	392,323	X
562	Waste management and remediation services	23,636	24,608	24,314	22,466	23,488	23,794	-3.9	1.2	0.6	3.4	95,024	92,182	3.1
61	Educational services ¹²	16,928	17,010	17,601	16,317	15,725	15,796	-0.5	-3.4	7.7	7.7	67,856	64,306	5.5
6114	Business schools and computer and management training ...	X	3,377	3,152	3,002	2,940	2,800	X	7.1	X	20.6	X	11,721	X
6115	Technical and trade schools	X	3,510	3,423	3,439	3,472	3,676	X	2.5	X	-4.5	X	14,401	X
6116	Other schools and instruction	X	6,356	S	S	5,934	5,645	X	S	X	12.6	X	23,882	X
6117	Educational support services	X	3,767	4,392	3,539	3,379	3,675	X	-14.2	X	2.5	X	14,302	X
62	Health care and social assistance	649,568	629,339	630,404	623,667	626,547	600,996	3.2	-0.2	3.7	4.7	2,532,978	2,427,731	4.3
	Health care and social assistance - taxable	322,035	312,347	312,385	306,915	307,206	297,998	3.1	Z	4.8	4.8	1,253,682	1,197,174	4.7
	Health care and social assistance - tax-exempt	327,533	316,992	318,019	316,752	319,341	302,998	3.3	-0.3	2.6	4.6	1,279,296	1,230,557	4.0
621	Ambulatory health care services	260,223	252,369	251,942	246,744	247,601	238,955	3.1	0.2	5.1	5.6	1,011,278	960,791	5.3
	Ambulatory health care services - taxable	234,921	228,070	228,010	222,982	223,861	215,910	3.0	Z	4.9	5.6	913,983	868,271	5.3
	Ambulatory health care services - tax-exempt	25,302	24,299	23,932	23,762	23,740	23,045	4.1	1.5	6.6	5.4	97,295	92,520	5.2
6211	Offices of physicians	128,406	124,070	122,757	119,725	122,967	116,920	3.5	1.1	4.4	6.1	494,958	471,751	4.9
6212	Offices of dentists	X	30,888	31,325	S	S	S	X	-1.4	X	S	X	S	X
6213	Offices of other health practitioners	X	21,513	S	21,138	20,783	19,850	X	S	X	8.4	X	80,124	X
6214	Outpatient care centers	35,373	33,505	33,940	33,502	33,610	32,342	5.6	-1.3	5.2	3.6	136,320	128,686	5.9
	Outpatient care centers - taxable	X	17,707	18,354	17,944	18,208	17,414	X	-3.5	X	1.7	X	68,620	X
	Outpatient care centers - tax-exempt	X	15,798	15,586	15,558	15,402	14,928	X	1.4	X	5.8	X	60,066	X
6215	Medical and diagnostic laboratories	13,090	12,549	12,626	12,519	12,418	12,067	4.3	-0.6	5.4	4.0	50,584	48,755	3.8
6216	Home health care services	X	20,309	20,309	19,856	19,919	19,532	X	Z	X	4.0	X	77,632	X
	Home health care services - taxable	X	15,492	15,471	15,027	14,962	14,728	X	0.1	X	5.2	X	58,440	X
	Home health care services - tax-exempt	X	4,817	4,838	4,829	4,957	4,804	X	-0.4	X	0.3	X	19,192	X
6219	Other ambulatory health care services	9,435	9,535	9,093	8,729	8,766	8,591	-1.0	4.9	7.6	11.0	36,792	34,307	7.2
	Other ambulatory health care services - taxable	X	5,851	5,585	5,354	5,385	5,278	X	4.8	X	10.9	X	21,045	X
	Other ambulatory health care services - tax-exempt	X	3,684	3,508	3,375	3,381	3,313	X	5.0	X	11.2	X	13,262	X
622	Hospitals	279,326	272,268	273,259	273,088	272,226	261,073	2.6	-0.4	2.6	4.3	1,097,941	1,060,286	3.6
	Hospitals - taxable	32,638	31,585	32,197	32,471	31,730	31,308	3.3	-1.9	2.9	0.9	128,891	127,232	1.3
	Hospitals - tax-exempt	246,688	240,683	241,062	240,617	240,496	229,765	2.5	-0.2	2.6	4.8	969,050	933,054	3.9
6221	General medical and surgical hospitals	X	253,491	254,543	254,750	254,118	242,947	X	-0.4	X	4.3	X	988,380	X
	General medical and surgical hospitals - taxable	X	25,419	26,065	26,358	25,858	25,432	X	-2.5	X	-0.1	X	103,394	X
	General medical and surgical hospitals - tax-exempt	X	228,072	228,478	228,392	228,260	217,515	X	-0.2	X	4.9	X	884,986	X
6222	Psychiatric and substance abuse hospitals	X	6,167	6,251	6,327	6,304	6,243	X	-1.3	X	-1.2	X	24,778	X
	Psychiatric and substance abuse hospitals - taxable	X	1,765	1,781	1,741	1,673	1,677	X	-0.9	X	5.2	X	6,698	X
	Psychiatric and substance abuse hospitals - tax-exempt	X	4,402	4,470	4,586	4,631	4,566	X	-1.5	X	-3.6	X	18,080	X
6223	Specialty (except psychiatric and substance abuse) hospitals	X	12,610	12,465	12,011	11,804	11,883	X	1.2	X	6.1	X	47,128	X
	Specialty (except psychiatric and substance abuse) hospitals - taxable	X	4,401	4,351	4,372	4,199	4,199	X	1.1	X	4.8	X	17,140	X
	Specialty (except psychiatric and substance abuse) hospitals - tax-exempt	X	8,209	8,114	7,639	7,605	7,684	X	1.2	X	6.8	X	29,988	X
623	Nursing and residential care facilities	61,484	60,356	59,028	58,472	59,831	58,446	1.9	2.2	2.8	3.3	239,340	232,614	2.9
	Nursing and residential care facilities - taxable	39,997	39,221	38,286	37,792	38,397	37,825	2.0	2.4	4.2	3.7	155,296	150,105	3.5
	Nursing and residential care facilities - tax-exempt	21,487	21,135	20,742	20,680	21,434	20,621	1.7	1.9	0.2	2.5	84,044	82,509	1.9
624	Social assistance	48,535	44,346	46,175	45,363	46,889	42,522	9.4	-4.0	3.5	4.3	184,419	174,040	6.0
	Social assistance - taxable	X	13,471	13,892	13,670	13,218	12,955	X	-3.0	X	4.0	X	51,566	X
	Social assistance - tax-exempt	X	30,875	32,283	31,693	33,671	29,567	X	-4.4	X	4.4	X	122,474	X
6241	Individual and family services	X	22,848	24,303	23,667	23,563	22,448	X	-6.0	X	1.8	X	89,605	X
6242	Community food and housing, and emergency and other relief services	X	8,369	8,212	8,062	9,589	7,617	X	1.9	X	9.9	X	32,529	X
6243	Vocational rehabilitation services	X	3,587	3,537	3,393	3,502	3,466	X	1.4	X	3.5	X	13,721	X
6244	Child day care services	X	9,542	10,123	10,241	10,235	8,991	X	-5.7	X	6.1	X	38,185	X
	Child day care services - taxable	X	6,501	6,922	S	S	S	X	-6.1	X	S	X	S	X
	Child day care services - tax-exempt	X	3,041	3,201	3,354	3,592	3,018	X	-5.0	X	0.8	X	13,060	X
71	Arts, entertainment, and recreation	69,773	72,783	67,624	59,994	66,826	66,090	-4.1	7.6	4.4	10.1	270,174	250,250	8.0
	Arts, entertainment, and recreation - taxable	X	61,027	55,084	49,375	55,359	54,643	X	10.8	X	11.7	X	205,814	X
	Arts, entertainment, and recreation - tax-exempt	X	11,756	12,540	10,619	11,467	11,447	X	-6.3	X	2.7	X	44,436	X
711	Performing arts, spectator sports, and related industries	32,835	32,784	28,648	25,261	32,321	29,763	0.2	14.4	1.6	10.2	119,528	111,379	7.3
	Performing arts, spectator sports, and related industries - taxable	X	29,607	25,445	22,328	29,070	26,942	X	16.4	X	9.9	X	99,571	X
	Performing arts, spectator sports, and related industries - tax-exempt	X	3,177	3,203	2,933	3,251	2,821	X	-0.8	X	12.6	X	11,808	X
7111	Performing arts companies	X	4,330	4,140	3,972	4,205	4,193	X	4.6	X	3.3	X	15,986	X
	Performing arts companies - taxable	X	2,609	2,403	2,383	2,407	2,687	X	8.6	X	-2.9	X	9,634	X
	Performing arts companies - tax-exempt	X	1,721	1,737	1,589	1,798	1,506	X	-0.9	X	14.3	X	6,352	X
7112	Spectator sports	X	12,461	10,889	9,050	13,392	11,256	X	14.4	X	10.7	X	42,648	X

Table A4. Selected Services - Advance Estimated Quarterly Revenue for Employer Firms, Not Seasonally Adjusted

[Estimates are not adjusted for seasonal variation or for price changes and are based on data from the Quarterly Services Survey. For additional information see www.census.gov/services]

2012 NAICS code ¹	Kind of business	Total revenue (millions of dollars)						Percent change				Year to date		
		4Q 2017 (a)	3Q 2017 (r)	2Q 2017 (r)	1Q 2017 (r)	4Q 2016 (r)	3Q 2016 (r)	4Q 2017 from 3Q 2017 (a)	3Q 2017 from 2Q 2017 (r)	4Q 2017 from 4Q 2016 (a)	3Q 2017 from 3Q 2016 (r)	2017 (a)	2016 (r)	2017 from 2016 (a)
7113	Promoters of performing arts, sports, and similar events	X	8,868	7,389	5,972	7,206	7,874	X	20.0	X	12.6	X	26,920	X
	Promoters of performing arts, sports, and similar events - taxable	X	7,412	5,923	4,628	5,753	6,559	X	25.1	X	13.0	X	21,464	X
	Promoters of performing arts, sports, and similar events - tax-exempt	X	1,456	1,466	1,344	1,453	1,315	X	-0.7	X	10.7	X	5,456	X
7114	Agents and managers for artists, athletes, entertainers, and other public figures	X	2,271	1,986	1,894	2,232	2,142	X	14.4	X	6.0	X	7,945	X
7115	Independent artists, writers, and performers	X	4,854	4,244	4,373	5,286	4,298	X	14.4	X	12.9	X	17,880	X
712	Museums, historical sites, and similar institutions	4,275	3,954	4,106	3,427	4,202	3,879	8.1	-3.7	1.7	1.9	15,762	15,022	4.9
	Museums, historical sites, and similar institutions - tax-exempt	X	3,485	3,714	3,163	3,796	3,391	X	-6.2	X	2.8	X	13,396	X
713	Amusement, gambling, and recreation industries	32,663	36,045	34,870	31,306	30,303	32,448	-9.4	3.4	7.8	11.1	134,884	123,849	8.9
	Amusement, gambling, and recreation industries - taxable	X	30,951	29,247	26,783	25,883	27,213	X	5.8	X	13.7	X	104,617	X
	Amusement, gambling, and recreation industries - tax-exempt	X	5,094	5,623	4,523	4,420	5,235	X	-9.4	X	-2.7	X	19,232	X
7131	Amusement parks and arcades	X	6,977	5,881	3,925	4,483	6,166	X	18.6	X	13.2	X	19,137	X
7132	Gambling industries	X	7,910	7,909	7,928	7,159	7,222	X	Z	X	9.5	X	29,271	X
7139	Other amusement and recreation industries	X	21,158	21,080	19,453	18,661	19,060	X	0.4	X	11.0	X	75,441	X
	Other amusement and recreation industries - taxable	X	16,064	15,457	14,930	14,241	13,825	X	3.9	X	16.2	X	56,209	X
	Other amusement and recreation industries - tax-exempt	X	5,094	5,623	4,523	4,420	5,235	X	-9.4	X	-2.7	X	19,232	X
721	Accommodation	58,977	67,744	67,517	60,412	59,277	65,849	-12.9	0.3	-0.5	2.9	254,650	242,457	5.0
7211	Traveler accommodation	X	65,189	65,476	58,862	57,991	63,472	X	-0.4	X	2.7	X	235,258	X
7212	RV (recreational vehicle) parks and recreational camps	X	2,179	1,770	1,212	943	1,960	X	23.1	X	11.2	X	5,770	X
7213	Rooming and boarding houses	X	376	271	338	343	417	X	38.7	X	-9.8	X	1,429	X
81	Other services (except public administration) ¹³	159,023	142,548	141,142	133,369	144,054	128,538	11.6	1.0	10.4	10.9	576,082	518,013	11.2
811	Repair and maintenance	44,893	43,719	44,324	42,540	41,900	42,727	2.7	-1.4	7.1	2.3	175,476	168,993	3.8
8111	Automotive repair and maintenance	X	28,197	28,560	27,520	27,323	27,941	X	-1.3	X	0.9	X	110,289	X
8112	Electronic and precision equipment repair and maintenance	X	4,268	4,384	4,494	4,431	4,400	X	-2.6	X	-3.0	X	17,122	X
8113	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance	X	9,203	9,266	8,849	8,344	8,399	X	-0.7	X	9.6	X	33,868	X
8114	Personal and household goods repair and maintenance	X	2,051	2,114	1,677	1,802	1,987	X	-3.0	X	3.2	X	7,714	X
812	Personal and laundry services	28,319	27,153	27,963	26,747	27,207	26,567	4.3	-2.9	4.1	2.2	110,182	106,185	3.8
8121	Personal care services	X	S	S	9,453	9,257	9,470	X	S	X	S	X	37,166	X
8122	Death care services	X	4,520	4,811	5,042	4,872	4,546	X	-6.0	X	-0.6	X	18,787	X
8123	Drycleaning and laundry services	X	7,022	6,925	6,632	6,706	6,638	X	1.4	X	5.8	X	26,662	X
8129	Other personal services	X	S	S	5,620	6,372	5,913	X	S	X	S	X	23,570	X
813	Religious, grantmaking, civic, professional, and similar organizations - tax-exempt ¹⁴	X	71,676	68,855	64,082	74,947	59,244	X	4.1	X	21.0	X	242,835	X

(a) Advance estimate. (r) Revised estimate. Z Absolute value is less than .05.

S Estimate does not meet standards because of high variability (coefficient of variation greater than 30%), poor response quality (total quantity response rate is less than 50%) or other concerns about the estimate's quality. Unpublished estimates derived from this table by subtraction are subject to these same limitations and should not be attributed to the U.S. Census Bureau. For a description of publication standards and the total quantity response rate, see www.census.gov/quality/guidelines/index.html.

X Estimate is not available for advance release.

(1) For a full description of the NAICS (North American Industry Classification System) codes used in this table, see the 2012 NAICS manual or www.census.gov/eos/www/naics/.

(2) Includes NAICS 22 (Utilities), NAICS 48-49 (Transportation and warehousing), NAICS 51 (Information), NAICS 52 (Finance and insurance), NAICS 53 (Real estate and rental and leasing), NAICS 54 (Selected professional, scientific, and technical services), NAICS 56 (Administrative and support and waste management and remediation services), NAICS 61 (Educational services), NAICS 62 (Health care and social assistance), NAICS 71 (Arts, entertainment, and recreation), NAICS 721 (Accommodation), and NAICS 81 (Other services (except public administration)). Exclusions listed in footnotes 3, 4, 7, 9, 12, and 13 also apply to the Selected Services Total.

(3) Excludes government owned utilities.

(4) Excludes NAICS 482 (Rail transportation) and 491 (Postal service).

(5) Includes NAICS 51113 (Book publishers), 51114 (Directory and mailing list publishers), and 51119 (Other publishers).

(6) Includes NAICS 5174 (Satellite telecommunications), and 5179 (Other telecommunications).

(7) Excludes NAICS 525 (Funds, trusts, and other financial vehicles).

(8) Excludes NAICS 521 (Monetary authorities-central bank) and NAICS 525 (Funds, trusts, and other financial vehicles).

(9) Excludes NAICS 54112 (Offices of notaries).

(10) Includes all of NAICS 5413 (Architectural, engineering, and related services) except 54133 (Engineering services).

(11) Includes NAICS 5611 (Office administrative services), 5612 (Facilities support services), 5614 (Business support services), 5616 (Investigation and security services), 5617 (Services to buildings and dwellings), and 5619 (Other support services).

(12) Excludes NAICS 6111 (Elementary and secondary schools), 6112 (Junior colleges), and 6113 (Colleges, universities, and professional schools).

(13) Excludes NAICS 8131 (Religious organizations), 81393 (Labor unions and similar labor organizations), 81394 (Political organizations), and 814 (Private households).

(14) Excludes NAICS 8131 (Religious organizations), 81393 (Labor unions and similar labor organizations), and 81394 (Political organizations).

Note: Estimates cover taxable and tax-exempt firms unless otherwise specified. Additionally, estimates for some sectors and subsectors may include data for kinds of business not shown. Table A5 provides estimated measures of sampling variability. Data users who create their own estimates using data from this report should cite the U.S. Census Bureau as the source of the original data only. Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at www.census.gov/services/qss/cv.html. For NAICS 52, estimates may include unrealized gains (losses).

Table A5. Selected Services - Advance Estimated Measures of Sampling Variability

[Estimates are shown as percents and are based on data from the Quarterly Services Survey]

2012 NAICS code	Kind of business	Coefficient of variation for total revenue						Standard error for percent change				Year to Date		
												Coefficient of variation		Standard error
		4Q 2017 (a)	3Q 2017 (r)	2Q 2017 (r)	1Q 2017 (r)	4Q 2016 (r)	3Q 2016 (r)	4Q 2017 from 3Q 2017 (a)	3Q 2017 from 2Q 2017 (r)	4Q 2017 from 4Q 2016 (a)	3Q 2017 from 3Q 2016 (r)	2017 (a)	2016 (r)	2017 from 2016 (a)
	Selected Services Total	0.8	0.8	0.8	1.4	1.4	1.4	0.2	0.1	1.9	1.8	0.8	1.4	1.9
22	Utilities	2.3	3.1	2.1	4.1	4.2	4.5	1.4	1.9	4.0	5.1	2.1	4.2	4.3
2211	Electric power generation, transmission and distribution	X	3.5	2.5	5.0	4.9	5.1	X	2.6	X	5.7	X	4.9	X
2212	Natural gas distribution	X	5.3	5.7	2.9	3.0	4.2	X	1.5	X	8.8	X	2.8	X
2213	Water, sewage and other systems	X	5.3	5.1	7.9	7.3	6.7	X	1.7	X	9.8	X	6.9	X
48-49	Transportation and warehousing	1.6	1.9	2.2	2.5	2.6	2.7	0.5	0.5	3.7	3.7	1.9	2.6	3.8
481	Air transportation	1.7	1.5	1.5	2.9	3.8	4.4	1.6	0.4	4.0	4.5	1.5	4.2	4.4
483	Water transportation	7.5	7.9	7.7	2.8	3.2	3.1	0.4	0.4	12.2	12.2	7.6	3.2	11.8
4831	Deep sea, coastal, and Great Lakes water transportation	X	9.1	9.2	3.6	4.1	3.8	X	0.6	X	14.2	X	4.0	X
4832	Inland water transportation	X	4.6	3.7	3.9	4.6	4.8	X	1.9	X	5.7	X	4.1	X
484	Truck transportation	4.2	5.3	6.1	6.9	7.6	7.9	1.3	1.0	9.6	10.1	5.2	7.8	10.0
4841	General freight trucking	X	8.4	9.6	10.8	11.5	11.9	X	1.7	X	17.4	X	11.6	X
48412	General freight trucking, long-distance	X	4.1	4.0	11.6	12.3	12.5	X	1.3	X	14.0	X	12.5	X
4842	Specialized freight trucking	X	1.9	1.8	4.8	4.5	4.1	X	1.5	X	5.6	X	3.8	X
485	Transit and ground passenger transportation	S	3.4	3.7	6.5	6.2	5.5	S	1.6	S	4.0	S	5.8	S
486	Pipeline transportation	X	1.2	1.4	1.9	1.9	1.8	X	0.3	X	2.4	X	1.6	X
487	Scenic and sightseeing transportation	X	7.1	5.9	10.6	11.9	10.7	X	5.9	X	36.7	X	9.8	X
488	Support activities for transportation	3.4	3.3	4.0	6.4	6.5	5.9	0.9	1.5	9.3	9.1	3.5	6.0	9.8
492	Couriers and messengers	3.6	4.8	3.8	1.7	1.6	1.6	1.3	0.9	5.6	6.9	4.0	1.6	6.1
493	Warehousing and storage	5.8	5.6	5.3	6.3	6.8	6.0	1.9	0.6	10.3	11.2	5.5	6.0	10.7
51	Information	1.6	1.6	1.4	1.3	1.3	1.4	0.4	0.2	1.8	1.9	1.5	1.5	1.8
511	Publishing industries (except Internet)	3.0	2.3	2.3	5.5	5.3	4.6	1.2	0.7	5.5	4.6	2.4	5.1	5.0
51111	Newspaper publishers	X	4.5	4.6	4.1	4.4	4.9	X	0.7	X	5.4	X	5.0	X
51112	Periodical publishers	X	5.3	5.3	4.7	5.8	3.6	X	2.6	X	7.7	X	4.1	X
5111 pt	Book, directory and mailing list, and other publishers	X	3.2	3.2	4.5	4.2	4.6	X	1.7	X	3.9	X	4.3	X
5112	Software publishers	3.7	2.8	2.8	7.2	6.9	6.0	1.4	0.8	7.2	6.4	2.9	6.6	6.9
512	Motion picture and sound recording industries	1.0	1.1	1.2	3.4	4.0	3.2	1.3	1.0	3.2	2.6	0.9	3.8	3.3
515	Broadcasting (except Internet)	X	0.9	1.0	1.7	1.9	1.4	X	0.3	X	2.0	X	1.7	X
5151	Radio and television broadcasting	X	2.0	1.8	2.7	2.9	2.6	X	0.7	X	3.4	X	2.9	X
5152	Cable and other subscription programming	X	1.4	1.4	1.2	1.3	1.2	X	0.1	X	2.0	X	1.2	X
517	Telecommunications	1.4	1.6	1.5	1.7	1.7	1.7	0.8	0.2	1.4	2.1	1.4	1.8	1.9
5171	Wired telecommunications carriers	2.1	1.9	1.7	3.4	3.2	3.4	0.3	0.3	2.8	3.0	1.8	3.5	3.0
5172	Wireless telecommunications carriers (except satellite)	1.9	1.8	1.8	2.4	2.6	2.6	1.6	0.1	3.6	3.8	1.7	2.7	3.7
517 pt	Other telecommunications	X	4.7	4.3	3.3	3.5	3.6	X	0.8	X	8.2	X	3.8	X
518	Data processing, hosting, and related services	3.3	3.1	3.5	3.4	3.4	3.5	1.0	1.1	6.9	6.4	3.3	3.7	6.8
519	Other information services	5.2	5.7	5.6	4.5	3.6	3.1	1.0	0.4	7.9	8.1	5.5	3.7	8.1
52	Finance and insurance	1.7	1.9	1.9	4.7	5.3	4.8	0.4	0.2	5.4	5.1	1.8	5.0	5.3
52 pt	Finance and insurance (except monetary authorities-central bank)	X	1.9	1.9	4.8	5.4	5.0	X	0.3	X	5.2	X	5.1	X
521	Monetary authorities-central bank	X	0.0	0.0	0.0	0.0	0.0	X	0.0	X	0.0	X	0.0	X
522	Credit intermediation and related activities	2.0	1.9	1.9	4.2	4.5	4.4	0.3	0.3	5.5	5.3	1.9	4.5	5.5
5221	Depository credit intermediation	X	3.7	3.6	7.6	7.9	7.7	X	0.5	X	8.9	X	8.0	X
5222	Nondepository credit intermediation	X	3.3	3.3	4.0	4.3	4.6	X	0.4	X	6.1	X	4.3	X
5223	Activities related to credit intermediation	X	2.6	2.3	3.6	3.0	2.4	X	0.5	X	4.1	X	2.5	X
523	Securities, commodity contracts, and other financial investments and related activities	X	4.6	4.5	4.0	4.0	4.4	X	0.5	X	6.5	X	3.8	X
5231	Securities and commodity contracts intermediation and brokerage	X	9.0	9.3	7.1	7.5	7.2	X	0.8	X	8.8	X	6.7	X
5232	Securities and commodity exchanges	X	Z	Z	Z	Z	Z	X	Z	X	Z	X	Z	X
5239	Other financial investment activities	X	3.1	2.8	4.9	4.9	5.0	X	0.6	X	7.3	X	4.2	X
524	Insurance carriers and related activities	2.1	2.2	2.1	7.1	8.0	7.1	0.5	0.4	7.6	6.9	2.1	7.5	7.3
5241	Insurance carriers	X	2.7	2.6	8.2	9.2	8.3	X	0.5	X	8.5	X	8.6	X
5242	Agencies, brokerages, and other insurance related activities	X	2.4	2.4	4.5	3.8	4.4	X	0.7	X	5.6	X	4.2	X
53	Real estate and rental and leasing	1.6	1.7	2.0	4.7	4.8	5.4	0.6	0.7	5.5	5.7	1.7	5.0	5.6
531	Real estate	2.6	2.9	2.9	6.3	6.5	7.4	0.8	0.7	7.3	7.9	2.8	6.9	7.7
5311	Lessors of real estate	X	4.5	4.3	7.8	8.2	9.4	X	1.2	X	9.5	X	8.8	X
5312	Offices of real estate agents and brokers	X	3.2	3.6	11.6	10.7	11.6	X	0.9	X	11.4	X	11.1	X
5313	Activities related to real estate	X	2.2	2.1	7.4	6.1	6.7	X	1.1	X	6.6	X	6.6	X
532	Rental and leasing services	2.8	3.0	3.5	4.4	4.6	3.9	0.4	1.2	6.1	5.9	2.9	4.2	6.1
5321	Automotive equipment rental and leasing	X	1.8	2.8	3.3	3.4	3.2	X	1.1	X	4.1	X	3.2	X
53211	Passenger car rental and leasing	X	3.6	5.1	3.4	3.3	3.0	X	1.5	X	5.2	X	3.0	X
53212	Truck, utility trailer, and RV (recreational vehicle) rental and leasing	X	3.6	4.0	5.2	5.6	5.1	X	1.3	X	7.7	X	5.2	X
5322	Consumer goods rental	X	7.0	6.7	8.9	10.3	10.9	X	3.9	X	10.1	X	10.2	X
5323	General rental centers	X	S	S	S	S	S	X	S	X	S	X	S	X
5324	Commercial and industrial machinery and equipment rental and leasing	X	7.8	7.9	6.1	6.4	5.7	X	1.3	X	11.2	X	5.8	X
533	Lessors of nonfinancial intangible assets (except copyrighted works)	X	6.6	5.0	6.6	5.7	7.1	X	3.2	X	11.4	X	6.8	X
54	Professional, scientific, and technical services	2.0	1.8	1.7	1.6	2.1	2.2	0.6	0.6	3.3	3.3	1.8	2.1	3.3
5411	Legal services	4.0	2.7	2.3	3.1	3.7	2.7	3.2	1.3	4.8	3.6	2.8	2.7	3.8
5412	Accounting, tax preparation, bookkeeping, and payroll services	3.1	2.3	1.9	3.4	4.4	4.8	1.8	1.1	4.4	3.8	1.9	4.1	3.3

Table A5. Selected Services - Advance Estimated Measures of Sampling Variability

[Estimates are shown as percents and are based on data from the Quarterly Services Survey]

2012 NAICS code	Kind of business	Coefficient of variation for total revenue						Standard error for percent change				Year to Date		
												Coefficient of variation		Standard error
		4Q 2017 (a)	3Q 2017 (r)	2Q 2017 (r)	1Q 2017 (r)	4Q 2016 (r)	3Q 2016 (r)	4Q 2017 from 3Q 2017 (a)	3Q 2017 from 2Q 2017 (r)	4Q 2017 from 4Q 2016 (a)	3Q 2017 from 3Q 2016 (r)	2017 (a)	2016 (r)	2017 from 2016 (a)
5413	Architectural, engineering, and related services	4.0	3.6	3.9	4.1	5.5	5.1	1.8	1.9	10.8	10.3	3.6	4.7	9.8
5413 pt	Architectural and related services	X	5.8	6.8	4.7	8.6	7.8	X	3.8	X	13.2	X	8.1	X
54133	Engineering services	X	4.2	3.6	5.2	6.6	6.1	X	2.1	X	12.4	X	5.5	X
5414	Specialized design services	X	5.1	4.1	3.8	4.5	4.0	X	2.6	X	9.6	X	4.0	X
5415	Computer systems design and related services	2.0	2.4	2.4	6.1	5.9	7.1	1.5	1.5	5.6	6.7	2.0	6.9	6.5
5416	Management, scientific, and technical consulting services	4.3	3.4	2.6	5.6	5.4	5.4	1.6	1.5	7.1	6.3	3.2	5.3	6.4
5417	Scientific research and development services	X	8.5	7.4	4.7	7.3	6.9	X	1.3	X	11.7	X	6.3	X
5418	Advertising, public relations, and related services	1.5	1.6	1.9	3.6	3.4	3.1	0.7	0.8	4.1	3.9	1.7	3.1	3.9
5419	Other professional, scientific, and technical services	X	5.0	4.4	8.4	7.7	6.1	X	1.7	X	10.0	X	6.5	X
56	Administrative and support and waste management and remediation services	S	2.5	2.3	1.3	1.3	1.4	S	0.5	S	3.8	S	1.4	S
561	Administrative and support services	S	2.7	2.4	1.8	1.9	1.9	S	0.4	S	4.3	S	1.9	S
5613	Employment services	X	4.8	4.5	5.0	4.5	4.5	X	0.6	X	7.7	X	4.1	X
5615	Travel arrangement and reservation services	X	4.2	3.5	7.6	7.3	8.5	X	2.1	X	15.2	X	7.7	X
561 pt	Other administrative and support services	X	2.9	2.2	3.9	3.7	4.0	X	0.9	X	5.6	X	3.8	X
562	Waste management and remediation services	2.4	3.4	2.9	3.7	4.0	3.7	1.3	1.3	5.1	6.0	2.8	3.6	5.7
61	Educational services	3.1	3.0	1.9	5.7	5.2	4.8	1.9	2.1	5.9	4.9	2.4	4.9	5.4
6114	Business schools and computer and management training	X	7.1	6.1	18.0	18.0	17.5	X	3.0	X	21.9	X	17.4	X
6115	Technical and trade schools	X	4.4	5.4	12.2	11.7	13.7	X	2.1	X	12.1	X	12.1	X
6116	Other schools and instruction	X	7.1	S	S	5.8	8.4	X	S	X	13.7	X	6.8	X
6117	Educational support services	X	6.0	2.8	4.3	4.2	8.1	X	3.4	X	8.1	X	3.9	X
62	Health care and social assistance	1.5	1.3	1.4	2.2	1.9	1.9	0.3	0.3	1.4	1.7	1.3	2.0	1.6
	Health care and social assistance - taxable	1.7	1.7	1.6	2.6	2.5	2.6	0.3	0.4	2.7	3.1	1.6	2.5	3.0
	Health care and social assistance - tax-exempt	2.0	1.8	1.8	2.9	2.9	2.5	0.5	0.4	1.9	1.7	1.8	2.8	1.7
621	Ambulatory health care services	1.5	1.3	1.2	2.1	2.0	2.1	0.4	0.4	2.3	2.5	1.2	1.9	2.5
	Ambulatory health care services - taxable	1.6	1.4	1.5	2.6	2.4	2.4	0.4	0.4	2.8	3.0	1.4	2.3	3.0
	Ambulatory health care services - tax-exempt	5.1	4.5	4.3	4.1	4.5	3.6	0.7	0.7	8.2	7.0	4.5	3.9	7.2
6211	Offices of physicians	2.8	2.4	2.7	5.8	5.4	5.8	0.6	0.7	5.8	7.1	2.5	5.5	6.8
6212	Offices of dentists	X	4.0	3.1	S	S	S	X	1.8	X	S	X	S	X
6213	Offices of other health practitioners	X	3.9	S	5.2	4.6	5.2	X	S	X	7.4	X	4.7	X
6214	Outpatient care centers	3.2	2.9	2.6	3.6	4.2	3.3	0.5	0.9	5.9	5.2	2.8	3.6	5.3
	Outpatient care centers - taxable	X	3.0	2.5	2.6	2.8	2.5	X	1.4	X	4.1	X	2.1	X
	Outpatient care centers - tax-exempt	X	6.2	5.8	6.4	7.0	5.4	X	1.0	X	8.5	X	6.0	X
6215	Medical and diagnostic laboratories	3.4	3.2	3.2	4.1	4.1	3.9	0.9	0.9	7.1	5.9	3.2	3.9	6.2
6216	Home health care services	X	6.1	5.9	3.9	3.6	4.3	X	0.7	X	6.8	X	3.9	X
	Home health care services - taxable	X	8.4	8.4	4.1	3.9	4.9	X	0.9	X	10.8	X	4.5	X
	Home health care services - tax-exempt	X	5.7	6.1	3.9	3.7	4.1	X	1.3	X	5.9	X	3.6	X
6219	Other ambulatory health care services	3.6	3.5	3.6	5.4	5.7	6.1	0.8	0.8	6.1	7.1	3.5	5.9	6.3
	Other ambulatory health care services - taxable	X	3.7	4.3	7.7	8.0	9.3	X	1.3	X	10.2	X	8.8	X
	Other ambulatory health care services - tax-exempt	X	4.6	4.6	7.4	7.0	7.5	X	1.5	X	10.0	X	7.3	X
622	Hospitals	2.7	2.5	2.5	3.8	3.7	3.4	0.5	0.4	2.3	2.7	2.5	3.7	2.5
	Hospitals - taxable	9.3	9.9	9.1	10.4	10.6	10.8	0.6	0.8	14.0	14.4	9.3	10.6	13.9
	Hospitals - tax-exempt	2.4	2.2	2.3	3.7	4.0	3.4	0.6	0.5	2.7	2.5	2.3	3.8	2.6
6221	General medical and surgical hospitals	X	2.4	2.5	4.0	4.0	3.7	X	0.4	X	2.8	X	3.9	X
	General medical and surgical hospitals - taxable	X	10.8	10.2	13.2	13.5	13.9	X	0.8	X	16.6	X	13.6	X
	General medical and surgical hospitals - tax-exempt	X	2.3	2.3	4.1	4.4	3.7	X	0.5	X	2.8	X	4.2	X
6222	Psychiatric and substance abuse hospitals	X	5.2	5.8	8.2	9.3	9.1	X	1.0	X	6.7	X	9.0	X
	Psychiatric and substance abuse hospitals - taxable	X	7.4	7.3	5.5	5.5	5.4	X	0.2	X	8.4	X	5.0	X
	Psychiatric and substance abuse hospitals - tax-exempt	X	6.2	6.9	10.0	11.3	11.4	X	1.5	X	9.8	X	11.3	X
6223	Specialty (except psychiatric and substance abuse) hospitals	X	7.6	7.1	7.3	7.1	7.0	X	0.7	X	13.1	X	7.1	X
	Specialty (except psychiatric and substance abuse) hospitals - taxable	X	14.1	11.9	13.5	13.2	13.2	X	2.2	X	21.1	X	13.2	X
	Specialty (except psychiatric and substance abuse) hospitals - tax-exempt	X	4.0	4.6	5.4	5.4	5.5	X	0.6	X	8.1	X	5.4	X
623	Nursing and residential care facilities	1.7	2.0	2.4	4.5	4.6	4.9	0.8	1.1	4.6	4.8	1.9	4.6	4.3
	Nursing and residential care facilities - taxable	1.6	1.5	2.2	6.0	6.3	6.6	0.9	1.3	6.6	7.0	1.7	6.2	6.3
	Nursing and residential care facilities - tax-exempt	3.6	4.1	4.8	2.6	2.6	2.6	0.9	1.3	2.8	3.4	4.2	2.7	3.3
624	Social assistance	2.3	2.6	2.1	3.3	3.0	1.9	0.9	1.4	4.2	4.1	2.1	2.3	4.0
	Social assistance - taxable	X	4.0	3.4	10.9	9.7	9.3	X	1.8	X	12.6	X	9.8	X
	Social assistance - tax-exempt	X	3.0	3.0	5.7	5.0	4.3	X	1.6	X	3.9	X	4.5	X
6241	Individual and family services	X	3.7	3.7	3.5	3.1	1.8	X	2.2	X	3.9	X	1.9	X
6242	Community food and housing, and emergency and other relief services	X	6.1	6.3	4.4	4.2	5.0	X	2.0	X	9.6	X	4.1	X
6243	Vocational rehabilitation services	X	10.9	9.3	8.0	9.4	8.0	X	2.3	X	14.0	X	9.0	X
6244	Child day care services	X	5.7	4.2	6.4	6.8	7.2	X	2.4	X	15.2	X	6.5	X
	Child day care services - taxable	X	7.3	6.7	S	S	S	X	2.9	X	S	X	S	X
	Child day care services - tax-exempt	X	12.1	11.5	11.5	13.5	14.6	X	4.1	X	19.0	X	12.3	X
71	Arts, entertainment, and recreation	2.5	2.3	2.4	3.0	3.6	3.5	1.5	1.1	4.0	4.0	2.3	3.1	4.0
	Arts, entertainment, and recreation - taxable	X	2.7	3.0	3.5	4.0	3.8	X	1.4	X	5.1	X	3.6	X
	Arts, entertainment, and recreation - tax-exempt	X	3.9	4.8	4.5	3.8	4.3	X	2.1	X	6.0	X	3.8	X

Table A5. Selected Services - Advance Estimated Measures of Sampling Variability

[Estimates are shown as percents and are based on data from the Quarterly Services Survey]

2012 NAICS code	Kind of business	Coefficient of variation for total revenue						Standard error for percent change				Year to Date		
												Coefficient of variation		Standard error
		4Q 2017 (a)	3Q 2017 (r)	2Q 2017 (r)	1Q 2017 (r)	4Q 2016 (r)	3Q 2016 (r)	4Q 2017 from 3Q 2017 (a)	3Q 2017 from 2Q 2017 (r)	4Q 2017 from 4Q 2016 (a)	3Q 2017 from 3Q 2016 (r)	2017 (a)	2016 (r)	2017 from 2016 (a)
711	Performing arts, spectator sports, and related industries	2.4	1.3	3.0	3.7	3.8	3.9	2.6	2.5	5.6	5.1	2.3	3.6	5.9
	Performing arts, spectator sports, and related industries - taxable	X	1.6	3.3	4.4	4.3	4.3	X	2.8	X	5.8	X	4.1	X
	Performing arts, spectator sports, and related industries - tax-exempt	X	5.7	5.3	3.7	2.9	3.6	X	5.9	X	5.5	X	2.2	X
7111	Performing arts companies	X	5.5	4.6	6.3	7.0	10.6	X	6.5	X	15.3	X	7.6	X
	Performing arts companies - taxable	X	7.0	5.2	10.8	10.7	14.9	X	8.6	X	27.8	X	11.5	X
	Performing arts companies - tax-exempt	X	6.7	6.6	6.0	5.3	6.0	X	4.5	X	13.4	X	5.1	X
7112	Spectator sports	X	3.2	3.3	11.9	8.6	9.2	X	1.9	X	14.3	X	8.5	X
7113	Promoters of performing arts, sports, and similar events	X	5.1	6.2	7.9	2.2	2.2	X	5.1	X	6.9	X	2.9	X
	Promoters of performing arts, sports, and similar events - taxable	X	5.7	6.9	10.4	2.7	2.7	X	6.8	X	7.7	X	3.9	X
	Promoters of performing arts, sports, and similar events - tax-exempt	X	11.8	6.0	3.7	5.4	11.6	X	11.8	X	7.9	X	4.7	X
7114	Agents and managers for artists, athletes, entertainers, and other public figures	X	3.6	4.9	11.2	11.3	11.7	X	2.2	X	19.8	X	10.9	X
7115	Independent artists, writers, and performers	X	9.4	8.7	16.0	12.9	10.0	X	12.0	X	19.3	X	10.0	X
712	Museums, historical sites, and similar institutions	8.2	9.0	9.0	6.3	5.4	5.0	2.7	2.6	9.9	11.7	9.1	4.4	11.2
	Museums, historical sites, and similar institutions - tax-exempt ..	X	10.2	9.8	6.9	6.0	5.6	X	2.8	X	12.7	X	4.9	X
713	Amusement, gambling, and recreation industries	4.8	4.3	4.3	5.7	5.3	5.3	1.2	0.7	7.2	7.4	4.6	4.9	7.2
	Amusement, gambling, and recreation industries - taxable	X	5.1	5.4	6.1	5.8	5.8	X	1.0	X	9.2	X	5.5	X
	Amusement, gambling, and recreation industries - tax-exempt ..	X	5.3	5.8	9.8	8.1	7.5	X	1.4	X	7.1	X	7.2	X
7131	Amusement parks and arcades	X	5.9	6.2	5.9	4.5	5.2	X	4.1	X	6.4	X	4.1	X
7132	Gambling industries	X	13.8	13.6	11.3	10.8	12.1	X	0.5	X	25.6	X	11.5	X
7139	Other amusement and recreation industries	X	2.2	1.8	6.3	6.4	7.6	X	1.4	X	10.8	X	6.4	X
	Other amusement and recreation industries - taxable	X	2.1	1.7	6.5	7.0	9.2	X	2.0	X	14.4	X	7.6	X
	Other amusement and recreation industries - tax-exempt	X	5.3	5.8	9.8	8.1	7.5	X	1.4	X	7.1	X	7.2	X
721	Accommodation	1.3	1.4	1.6	2.9	3.5	3.5	0.4	0.7	4.1	4.3	1.3	3.2	4.1
7211	Traveler accommodation	X	1.4	1.7	2.9	3.5	3.5	X	0.8	X	4.2	X	3.2	X
7212	RV (recreational vehicle) parks and recreational camps	X	5.3	5.4	6.9	7.5	6.3	X	6.7	X	16.6	X	5.4	X
7213	Rooming and boarding houses	X	3.4	9.2	7.3	11.9	16.3	X	13.7	X	13.3	X	16.2	X
81	Other services (except public administration)	2.8	1.8	2.4	2.3	2.4	2.0	2.2	2.5	5.5	3.7	1.9	2.2	4.2
811	Repair and maintenance	4.7	4.8	3.6	5.0	4.4	3.9	1.0	1.3	8.6	7.1	4.1	3.8	6.5
8111	Automotive repair and maintenance	X	7.7	6.8	7.8	7.9	6.5	X	1.2	X	9.1	X	6.3	X
8112	Electronic and precision equipment repair and maintenance	X	4.7	5.3	21.3	21.6	16.7	X	2.4	X	11.7	X	17.5	X
8113	Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance	X	10.0	8.9	9.5	9.7	9.9	X	3.0	X	29.8	X	9.5	X
8114	Personal and household goods repair and maintenance	X	7.8	8.8	16.8	14.8	15.6	X	4.4	X	20.7	X	15.1	X
812	Personal and laundry services	2.4	2.9	3.0	4.2	4.1	4.3	1.0	0.6	3.3	3.6	2.7	4.3	4.0
8121	Personal care services	X	S	S	8.9	9.4	9.7	X	S	X	S	X	9.5	X
8122	Death care services	X	4.0	4.6	8.8	8.0	8.1	X	1.9	X	9.0	X	8.2	X
8123	Drycleaning and laundry services	X	4.6	4.6	10.4	10.2	9.5	X	0.7	X	12.6	X	9.6	X
8129	Other personal services	X	S	S	8.1	8.0	7.2	X	S	X	S	X	7.1	X
813	Religious, grantmaking, civic, professional, and similar organizations - tax-exempt	X	2.1	4.5	3.2	2.8	3.3	X	6.0	X	3.8	X	2.7	X

(a) Advance estimate. (r) Revised estimate. Z Absolute value is less than .05.
S Corresponding estimate in Table A4 does not meet publication standards because of high sampling variability, poor response quality or other concerns about the estimate's quality.
X Estimate in Table A4 is not available for advance release.

Note: Estimated measures of sampling variability are based on data not adjusted for seasonal variation, and should be used when drawing inferences about both adjusted and not adjusted estimates. Standard errors for percent changes that include estimates prior to Q1 2017 may be larger than those previously published because the estimated totals used to produce the percent changes are derived from different samples. Additional information on confidentiality protection, sampling error, nonsampling errors, sample design, and definitions may be found at www.census.gov/services/qss/cv/html.

EXPLANATORY NOTES

Survey Description

The U.S. Census Bureau conducts the Quarterly Services Survey to provide national estimates of quarterly revenue for employer firms located in the United States and classified in select service industries. The current total sample size is approximately 19,500 employer firms.

Each quarter, questionnaires are mailed to a probability sample of employer firms selected from the larger Service Annual Survey sample. The QSS sample includes firms of all sizes and is updated on a quarterly basis to account for new services businesses, deaths, and other changes to the survey universe. Data for nonresponding firms are imputed based on data for similar-sized firms classified in the same kind of business. The following table lists imputation rates of total quarterly revenue for the industries published in the QSS:

2007 NAICS Code	Kind of Business	Imputation Rate of Total Quarterly Revenue (in %)
	Selected Services Total	38
22	Utilities	36
48-49	Transportation and warehousing	33
51	Information	30
52	Finance and insurance	29
53	Real estate and rental and leasing	47
54	Professional, scientific, and technical services	44
56	Administrative and support and waste management and remediation services	55
61	Educational services	46
62	Health care and social assistance	45
71	Arts, entertainment, and recreation	45
721	Accommodation	46
81	Other services (except public administration)	50

Quarterly revenue estimates are obtained by summing weighted data (either reported or imputed), where the weight for a particular unit is the reciprocal of its probability of being selected into the sample. The estimates are benchmarked using results of the latest SAS. Additional information on the QSS can be found on the Census Bureau website at www.census.gov/services/.

Reliability of the Estimates

The estimates in this report may differ from the actual, but unknown, population values. For a particular estimate, statisticians define this difference as the total error of the estimate. When describing the accuracy

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of survey results, it is convenient to discuss total error as the sum of sampling error and nonsampling error. Nonsampling error is the difference between the actual population parameter and the value that would be derived by surveying the entire set of units identified as the survey universe (the sampling frame). There are many potential contributors to nonsampling error – the inclusion of erroneous units in the survey (overcoverage), the exclusion of eligible units from the survey (undercoverage), nonresponse, misreporting, mistakes in recording and coding responses, misinterpretation of questions, and other errors of collection, response, coverage, or processing. Though nonsampling error is not measured directly, the Census Bureau employs quality control procedures throughout the process to minimize this type of error. Sampling error is the average difference between the estimate and the result that would be obtained from a complete enumeration of the sampling frame conducted under the same survey conditions. This error occurs because only a subset of the entire sampling frame is measured in a sample survey. Common measures of sampling error are the sampling variance, the standard error, and the coefficient of variation. The sampling variance is defined as the squared difference, averaged over all possible samples of the same size and design, between the estimator and its average value. The standard error is the square root of the sampling variance. The CV expresses the standard error as a percentage of the estimate to which it refers. For example, an estimate of 200 units that has an estimated standard error of 10 units has an estimated CV of 5 percent. The sampling variance, standard error, and CV of an estimate can be estimated from the selected sample because the sample was selected using probability sampling. Standard errors and coefficients of variation are given in Tables A2 and A5 of this report.

The first page of this release gives statements about the change in revenue from a prior period. Each change estimate is accompanied by a number in parentheses, called the “margin of error.” The margin of error can be used to construct a 90-percent confidence interval, which is interpreted as follows. If, for each possible sample, an estimate and its approximate standard error are obtained, then for approximately 90 percent of the possible samples, the interval from 1.895 standard errors below to 1.895 standard errors above the estimate would include the average of the estimates derived from all possible samples. If, for example, a particular change estimate is +1.2 percent and its associated margin of error is ± 1.5 percentage points, then the 90-percent confidence interval for the change estimate is -0.3 percent to +2.7 percent. If the interval contains 0, then one does not have sufficient evidence to conclude at the 90-percent confidence level that the actual change is different from zero. Each comparison stated in this report has undergone statistical testing and is significant at the 90-percent confidence level, unless otherwise noted. Data users should take into account the estimates of sampling error and the potential effects of nonsampling error when using the statistics in this publication.

Additional information regarding the methodology used in conducting this survey is available at www.census.gov/services/qss/qsstechdoc.

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